

Table 4. CaM and CML binding proteins identified on protein microarrays.

AT#	Description	CaM1	CaM6	CaM7	CML8	CML9	CML10	CML12	BtCaM	# of hits
AT3G12250	bZIP transcription factor family (TGA6)	X								1
AT3G44200	Protein kinase family protein	X								1
AT4G23290	Protein kinase of unknown function	X								1
AT5G23170	Receptor-like kinase Crinkly 4 Like Kinase	X								1
AT5G46590	No apical meristem (NAM) protein	X								1
AT5G63770	Protein of unknown function (DUF567)	X								1
AT1G67530	Armadillo/beta-catenin repeat family		X							1
AT3G06030	MAPKKK12; NPK1-related protein kinase 3		X							1
AT1G06910	MYB family transcription factor,TRF-like7			X						1
AT1G48150	MADS-box family protein			X						1
AT2G30590	WRKY Transcription Factor; (WRKY21)			X						1
AT3G26170	Cytochrome P450 71B19, putative			X						1
AT4G39950	Cytochrome P450 79B2, putative			X						1
AT5G06500	MADS-box family protein			X						1
AT5G06560	Protein of unknown function (DUF593)			X						1
AT5G26950	MADS-box family protein			X						1
AT1G51170	Protein kinase family protein				X					1
AT2G03710	MADS-box family protein (AGL3)				X					1
AT3G17240	Dihydrolipoamide dehydrogenase 2				X					1
AT4G21470	Riboflavin kinase/FAD synthetase family				X					1
AT5G08141	bZIP transcription factor family				X					1
AT5G38740	MADS-box family protein				X					1
AT1G18890	Ca2+-dependent protein kinase 1 (CDPK1)					X				1
AT1G65300	MADS-box family protein (AGL38)					X				1
AT1G76270	Expressed protein					X				1
AT5G64780	Expressed protein					X				1
AT5G10030	bZIP transcription factor family (TGA4)						X			1
AT5G37670	Heat shock protein Hsp20/alpha crystallin						X			1
AT1G11270	F-box family protein							X		1
AT1G21550	Ca2+-binding protein, putative							X		1
AT1G27690	Protein of unknown function (DUF620)							X		1
AT1G29340	E3 ubiquitin ligase							X		1
AT1G74490	Receptor Like Cytoplasmic Kinase							X		1
AT3G12720	MYB family transcription factor							X		1
AT3G18980	F-box family protein							X		1
AT4G31950	Cytochrome P450 family protein							X		1
AT5G02500	HSP70-1							X		1
AT5G56580	MAPKK6							X		1
AT5G58380	CBL-interacting protein kinase 10 (CIPK10)							X		1
AT3G57730	Wall Associated Kinase								X	1
AT3G63260	MRK1(related to mixed-lineage kinases)								X	1
AT4G30820	CDK-activating kinase assembly factor-related								X	1
AT4G36730	bZIP; G-box binding factor 1 (GBF1)								X	1
AT5G26170	WRKY Transcription Factor; (WRKY50)								X	1
AT1G10210	MAPK1	X							X	2
AT1G69270	Protein kinase (SIK1)	X							X	2
AT5G26870	MADS-box family protein	X							X	2
AT2G26730	Receptor-like Leucine Rich Repeat Kinase	X		X						2
AT5G55690	MADS-box family protein	X				X				2
AT2G02800	Receptor Like Cytoplasmic Kinase (APK2b)	X				X				2
AT2G43850	Ankyrin protein kinase, putative (APK1)	X				X				2
AT1G75100	Similarity to Hs Cyclin G-associated kinase	X					X			2
AT3G30530	bZIP transcription factor family			X			X			2
AT2G39660	Receptor Like Cytoplasmic Kinase VII				X				X	2
AT1G60920	MADS-box family protein				X			X		2
AT5G40540	Protein kinase, putative, similar to ATN1				X			X		2
AT5G11620	MAPKKK					X		X		2
AT1G34300	Lectin protein kinase family protein S Domain							X	X	2
AT4G18630	Protein of unknown function (DUF688)	X	X	X						3
AT4G26270	Phosphofructokinase family protein	X	X			X				3
AT4G28706	PfkB-type carbohydrate kinase family protein	X		X					X	3
AT3G12350	F-box family protein similar to SKP2	X		X			X			3
AT4G16410	Protein of unknown function (DUF751)	X		X			X			3
AT5G64400	Protein of unknown function (DUF657)	X		X			X			3

[illegible]

AT1G77145	Protein of unknown function (DUF506)	X	X	X	X	X	X	X	X	8
AT2G23080	Casein kinase II alpha chain, putative	X	X	X	X	X	X	X	X	8
AT2G23290	MYB family transcription factor (MYB70)	X	X	X	X	X	X	X	X	8
AT2G24840	MADS-box family protein	X	X	X	X	X	X	X	X	8
AT2G30980	Shaggy-related protein kinase delta (ASK4)	X	X	X	X	X	X	X	X	8
AT2G31180	MYB family transcription factor (MYB14)	X	X	X	X	X	X	X	X	8
AT3G12200	Protein kinase family protein	X	X	X	X	X	X	X	X	8
AT3G17600	AUX/IAA transcription factor family (IAA31)	X	X	X	X	X	X	X	X	8
AT3G19290	bZIP transcription factor family (ABF2)	X	X	X	X	X	X	X	X	8
AT3G28450	Receptor-like Leucine Rich Repeat Kinase	X	X	X	X	X	X	X	X	8
AT3G56270	Protein of unknown function (DUF827)	X	X	X	X	X	X	X	X	8
AT3G58780	MADS-box family protein (AGL1) (SHP1)	X	X	X	X	X	X	X	X	8
AT3G59150	Cyclin-like F-box family protein	X	X	X	X	X	X	X	X	8
AT4G02410	Lectin protein kinase family protein	X	X	X	X	X	X	X	X	8
AT4G02640	bZIP transcription factor family (BZO2H1)	X	X	X	X	X	X	X	X	8
AT4G04570	Protein of unknown function (DUF26) kinase	X	X	X	X	X	X	X	X	8
AT4G08980	F-box family protein (FBW2)	X	X	X	X	X	X	X	X	8
AT4G13020	Protein kinase (MHK)	X	X	X	X	X	X	X	X	8
AT4G14340	Casein kinase I (CK11),	X	X	X	X	X	X	X	X	8
AT4G17080	Phosphatidylinositol-4-phosphate 5-kinase	X	X	X	X	X	X	X	X	8
AT4G18950	Ankyrin protein kinase, putative	X	X	X	X	X	X	X	X	8
AT4G23170	Receptor Like Cytoplasmic Kinase	X	X	X	X	X	X	X	X	8
AT4G23650	Ca2+-dependent kinase, putative (CDPK6)	X	X	X	X	X	X	X	X	8
AT4G23810	WRKY Transcription Factor; (WRKY53)	X	X	X	X	X	X	X	X	8
AT4G24390	F-box family protein (FBX14)	X	X	X	X	X	X	X	X	8
AT4G34380	Similar to Myosin heavy chain kinase B	X	X	X	X	X	X	X	X	8
AT4G35600	Protein kinase, Gap junction homologue	X	X	X	X	X	X	X	X	8
AT4G36250	Aldehyde dehydrogenase family protein	X	X	X	X	X	X	X	X	8
AT4G37240	MYB family transcription factor	X	X	X	X	X	X	X	X	8
AT5G15830	bZIP transcription factor family	X	X	X	X	X	X	X	X	8
AT5G20810	Auxin-responsive protein, putative (SAUR_B)	X	X	X	X	X	X	X	X	8
AT5G27070	MADS-box family protein (AGL53)	X	X	X	X	X	X	X	X	8
AT5G35410	CBL-interacting protein kinase 24 (CIPK24)	X	X	X	X	X	X	X	X	8
AT5G39810	MADS-box family protein	X	X	X	X	X	X	X	X	8
AT5G48670	MADS-box family protein	X	X	X	X	X	X	X	X	8
AT5G49760	Receptor-like Leucine Rich Repeat Kinase	X	X	X	X	X	X	X	X	8
AT5G56030	Heat shock protein 81-2 (HSP81-2)	X	X	X	X	X	X	X	X	8
AT5G56040	Receptor-like Leucine Rich Repeat Kinase	X	X	X	X	X	X	X	X	8
AT5G66790	Wall Associated Kinase-like Kinase	X	X	X	X	X	X	X	X	8
TOTAL		122	99	117	77	113	102	86	84	

X interactions found on the protein microarray analyses